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22278 U.S. PTO  
10/7/13008



November 17, 2003

### UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket Number: **64517.000002**

First Named Inventor: **Masaaki IKEDA et al.**

Title: **METHODS FOR PROLIFERATING TERMINAL DIFFERENTIATED CELLS  
AND RECOMBINANT VECTORS THEREFOR**

TO: **Mail Stop Patent Application**

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

Attached are the following for filing with the U.S. Patent and Trademark Office:

1.  Fee Transmittal Form (original and duplicate)
2.  Small Entity Status Claimed:   Independent Inventor  
 Small Business Concern  
 Non-Profit Organization
3.  Statement Enclosed  
 Statement Filed in Prior Application; Status Still Proper and Desired  
 Specification - Total Pages: 30 (Including Abstract)

CLAIMS AS FILED						
	Claims Filed	Basic Fee Claims	Extra	Rate		Amount
				Large Entity	Small Entity	
Total Claims	26	20	6	\$ 18.00	\$ 9.00	\$ 108.00
Independent Claims	5	3	2	\$ 86.00	\$ 43.00	\$ 172.00
First Presentation of Multiple Dependent Claims				\$ 290.00	\$ 145.00	\$ 290.00
<b>BASIC FEE</b>				\$ 770.00	\$ 385.00	\$ 770.00
<b>TOTAL FILING FEE</b>						\$ 1,304.00
Assignment Recordation Fee						\$ 0.00
<b>TOTAL AMOUNT ENCLOSED</b>						<b>\$ 1,340.00</b>

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4.  Drawings - Total Sheets: 7 (Fig(s). 1-11c)
5. Oath or Declaration - Total Pages: 3
- a.  Newly executed (original or copy)  
 New (unexecuted)
- b.  Copy from a prior application  
(for continuation/divisional with Box 18 completed)
- DELETION OF INVENTOR(s):  
Signed statement attached deleting inventor(s) named in prior application.
6.  Application Data Sheet
7.  CD-ROM or CD-R in duplicate, large table or Microfiche Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a.  Computer Readable Form (CRF)
- b.  Specification Sequence Listing on:
- i.  CD-ROM or CD-R (two copies); or
- ii.  Paper Copy
- c.  Statements verifying identity of above copies
9.  Assignee/Applicant: BANYU PHARMACEUTICAL CO., LTD.  
2-3, Nihombashi Honcho 2-chome  
Chuo-ku, Tokyo 103-8416
- Assignee of Record in Prior Application No.: \_\_\_\_\_
- recorded on \_\_\_\_\_ at Reel \_\_\_\_\_, Frame \_\_\_\_\_.

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10.  37 C.F.R. 3.73(b) Statement  Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement with PTO-1449 and References  
 Copies of Information Disclosure Statement Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard
15.  Priority is Claimed as Follows:  
International Application No. PCT/JP01/08208, filed September 21, 2001  
Japanese Patent Application No. 2001-148266, filed May 17, 2001  
 Claim Benefit of the Following U.S. Provisional Application No(s).:  

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- If Foreign Priority is Claimed, Certified Copy of the Above Priority Document(s) is Submitted Herewith
16.  Nonpublication Request under 35 U.S.C. § 1222(b)(2)(B)(i). Applicant must attach Form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_
18.  Continuation  Divisional  Continuation-in-Part of  
Prior Application No.: PCT/JP01/08208 filed September 21, 2001  
  
Prior application information: Examiner \_\_\_\_\_  
Group Art Unit \_\_\_\_\_
- Incorporation By Reference (useable if Box 5b is marked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application papers.

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- Complete Application Based on Provisional Application No.: \_\_\_\_\_  
filed \_\_\_\_\_

19. Please address all correspondence to:

CUSTOMER NUMBER 21967

**Robert M. Schulman**  
Intellectual Property Department  
 Hunton & Williams  
 1900 K Street, N.W.  
 Suite 1200  
 Washington, DC 20006-1109

20.  A new power of attorney or authorization of agent (PTO/SB/81) is as follows:
- The power of attorney is to: Stanislaus Aksman, Reg. No. 28,562; Jennifer A. Albert, Reg. No. 32,012; Thomas E. Anderson, Reg. No. 37,063; David E. Baker, Reg. No. 42,285; Scott D. Balderston, Reg. No. 35,436; Carl L. Benson, Reg. No. 38,378; Thomas Blasey, Reg. No. 33,475; Bradford Blaise, Reg. No. 47,429; Thomas D. Bradshaw, Reg. No. 51,492; J. Robert Brown, Jr., Reg. No. 45,438; Tyler S. Brown, Reg. No. 36,465; Brian M. Buroker, Reg. No. 39,125; Christopher C. Campbell, Reg. No. 37,291; Katherine S. Chang, Reg. No. 40,544; Robin C. Clark, Reg. No. 40,956; Trevor Q. Coddington, Reg. No. 46,633; Christopher J. Cuneo, Reg. No. 42,450; Ryan S. Davidson, Reg. No. 51,596; Patrick A. Doody, Reg. No. 35,022; Dinnatia J. Doster, Reg. No. 45,268; Kevin T. Duncan, Reg. No. 41,495; Kevin J. Dunleavy, Reg. No. 32,024; David D'Zurilla, Reg. No. 36,776; Ozzie A. Farres, Reg. No. 43,606; Nancy J. Flint, Reg. No. 46,704; Christopher J. Forstner, Reg. No. 46,049; James G. Gatto, Reg. No. 32,694; George Georgellis, Reg. No. 43,632; Charles F. Hollis, III, Reg. No. 40,650; David M. Huntley, Reg. No. 40,309; Nancy J. Jensen, Reg. No. 45,913; Herbert V. Kerner, Reg. No. 42,721; Steven P. Klocinski, Reg. No. 39,251; Robert C. Lampe, III, Reg. No. 51,914; Charles B. Lobsenz, Reg. No. 37,857; Tyler Maddry, Reg. No. 40,074; J. Michael Martinez, Reg. No. 37,178; David H. Milligan, Reg. No. 42,893; James R. Miner, Reg. No. 40,444; Bryan F. Moore, Reg. No. 52,044; Devin S. Morgan, Reg. No. 45,562; Kerry H. Owens, Reg. No. 37,412; Jeffrey T. Perez, Reg. No. 52,110; Michael P.F. Phelps, Reg. No. 48,654; John P. Pinkerton, Reg. No. 28,746; Laurence H. Posorske, Reg. No. 34,698; Matthew J. Pryor, Reg. No. 45,278; Andrew J. Ririe, Reg. No. 45,597; Stephen T. Schreiner, Reg. No. 43,097; Robert M. Schulman, Reg. No. 31,196; Thomas J. Scott, Jr., Reg. No. 27,836; Yisun Song, Reg. No. 44,487; Shelley L. Spalding, Reg. No. 51,971; Henry C. Su, Reg. No. 37,738; Rodger L. Tate, Reg. No. 27,399; Raphael A.

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Valencia, Reg. No. 43,216; René Vazquez, Reg. No. 38,647; Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and Scott F. Yarnell, Reg. No. 45,245.

- Please remove as power of attorney: Scott D. Balderston, Reg. No. 35,436; Thomas Blasey, Reg. No. 33,475; Bradford Blaise, Reg. No. 47,429; Tyler S. Brown, Reg. No. 36,465; Dinnatia J. Doster, Reg. No. 45,268; Kevin J. Dunleavy, Reg. No. 32,024; David D'Zurilla, Reg. No. 36,776; James G. Gatto, Reg. No. 32,694; George Georgellis, Reg. No. 43,632; David M. Huntley, Reg. No. 40,309; Steven P. Klocinski, Reg. No. 39,251; Jonathan D. Link, Reg. No. 41,548; Charles B. Lobsenz, Reg. No. 37,857; Devin S. Morgan, Reg. No. 45,562; Kerry H. Owens, Reg. No. 37,412; Matthew J. Pryor, Reg. No. 45,278; Stuart I. Smith, Reg. No. 42,159; Henry C. Su, Reg. No. 37,738; Raphael A. Valencia, Reg. No. 43,216; and René Vazquez, Reg. No. 38,647.
- Please add as power of attorney: Stanislaus Aksman, Reg. No. 28,562; Jennifer A. Albert, Reg. No. 32,012; Thomas E. Anderson, Reg. No. 37,063; David E. Baker, Reg. No. 42,285; Carl L. Benson, Reg. No. 38,378; Thomas D. Bradshaw, Reg. No. 51,492; J. Robert Brown, Jr., Reg. No. 45,438; Brian M. Buroker, Reg. No. 39,125; Christopher C. Campbell, Reg. No. 37,291; Katherine S. Chang, Reg. No. 40,544; Robin C. Clark, Reg. No. 40,956; Trevor Q. Coddington, Reg. No. 46,633; Christopher J. Cuneo, Reg. No. 42,450; Ryan S. Davidson, Reg. No. 51,596; Patrick A. Doody, Reg. No. 35,022; Kevin T. Duncan, Reg. No. 41,495; Ozzie A. Farres, Reg. No. 43,606; Nancy J. Flint, Reg. No. 46,704; Christopher J. Forstner, Reg. No. 46,049; Charles F. Hollis, III, Reg. No. 40,650; Nancy J. Jensen, Reg. No. 45,913; Herbert V. Kerner, Reg. No. 42,721; Robert C. Lampe, III, Reg. No. 51,914; Tyler Maddry, Reg. No. 40,074; J. Michael Martinez, Reg. No. 37,178; David H. Milligan, Reg. No. 42,893; James R. Miner, Reg. No. 40,444; Bryan F. Moore, Reg. No. 52,044; Jeffrey T. Perez, Reg. No. 52,110; Michael P.F. Phelps, Reg. No. 48,654; John P. Pinkerton, Reg. No. 28,746; Laurence H. Posorske, Reg. No. 34,698; Andrew J. Ririe, Reg. No. 45,597; Stephen T. Schreiner, Reg. No. 43,097; Robert M. Schulman, Reg. No. 31,196; Thomas J. Scott, Jr., Reg. No. 27,836; Yisun Song, Reg. No. 44,487; Shelley L. Spalding, Reg. No. 51,971; Rodger L. Tate, Reg. No. 27,399; Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and Scott F. Yarnell, Reg. No. 45,245.
21.  A check in the amount of \$ 856.00 is enclosed. In the event any variance exists between the amount enclosed and the Patent Office charges, please charge or credit any such variance to Deposit Account No. **50-0206**.

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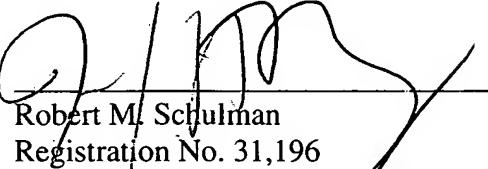
November 17, 2003

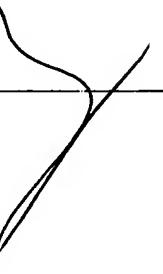
Page 6

- The U.S. Patent and Trademark Office is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to **Deposit Account No. 50-0206**.

Respectfully submitted,

By:

  
Robert M. Schulman  
Registration No. 31,196

  
Jeffrey T. Perez  
Registration No. 52,110

RMS/JTP/cbt  
Enclosures

## FEE TRANSMITTAL

## BOX PATENT APPLICATION

Complete If Known

Application No.	To Be Assigned
Filing Date	November 17, 2003
First Named Inventor	Masaaki IKEDA
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned

Total Amount Of Payment (\$ 1,340.00)

Attorney Docket No. 64517.000002

## METHOD OF PAYMENT (check one)

## FEE CALCULATION (continued)

1.  The Director of the United States Patent and Trademark Office is hereby authorized to charge indicated fees and credit any over payments to **Deposit Account No. 50-0206** in the name of Hunton & Williams.

2.  Check Enclosed. The Director of the United States Patent and Trademark Office is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to **Deposit Account No. 50-0206** in the name of Hunton & Williams, 1900 K Street, N.W., Suite 1200, Washington, D.C. 20006-1109.

## 3. ADDITIONAL FEES

Fee Description	Fee Paid
<input type="checkbox"/> Surcharge - late filing fee or oath	\$
<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	\$
<input type="checkbox"/> -Month Extension of Time	\$
<input type="checkbox"/> Notice of Appeal	\$
<input type="checkbox"/> Filing Brief in Support of Appeal	\$
<input type="checkbox"/> Request for Oral Hearing	\$
<input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)	\$
<input type="checkbox"/> Design Issue Fee	\$
<input type="checkbox"/> Plant Issue Fee	\$
<input type="checkbox"/> Petition to Commissioner	\$
<input type="checkbox"/> Petition to Revive (Unavoidable)	\$
<input type="checkbox"/> Petition to Revive (Unintentional)	\$
<input type="checkbox"/> Petitions Related to Provisional Applications	\$
<input type="checkbox"/> Submission of Information Disclosure Statement	\$
<input type="checkbox"/> Filing Submission After Final Rejection	\$
<input type="checkbox"/> Recording Each Patent Assignment Per Property	\$
<input type="checkbox"/> Filing Request for Reexamination	\$
<input type="checkbox"/> Other (specify) _____	\$

## FEE CALCULATION

1. **BASIC FILING FEE**  Large Entity  Small Entity

Fee Paid

Utility Filing Fee	\$ 770.00
Design Filing Fee	\$
Plant Filing Fee	\$
Reissue Filing Fee	\$
Provisional Filing Fee	\$

## 2. EXTRA CLAIMS FEES

## CLAIMS AS AMENDED

For	Number Present	Highest Number Paid For	Extra	Rate		Amount
				Large Entity	Small Entity	
TOTAL CLAIMS	26	20	6	x \$ 18.00	x \$ 9.00	\$ 108.00
INDEPENDENT CLAIMS	5	3	2	x \$ 86.00	x \$ 4300	\$ 172.00
MULTIPLE DEPENDENT CLAIMS				\$ 290.00	\$ 145.00	\$ 290.00
<b>TOTAL EXTRA CLAIMS FEES</b>						<b>\$ 570.00</b>

## SUBMITTED BY

Complete (if applicable)

Typed or Printed Name Jeffrey T. Perez

Registration No. 52,110

Signature

Date

November 17, 2003